

LISTING OF THE CLAIMS

The following listing, if entered, replaces all prior versions of the claims in the present application.

1. (Currently Amended) A method comprising:
determining a speculative structure of a database, discovering a plurality of components; wherein
a said database comprises the plurality of components, and ~~wherein~~
the said database is stored on a storage volume;
identifying each of said plurality of components using said speculative structure of said database;
selecting a component of said plurality of components;
selecting a data management resource of a plurality of data management resources using an attribute of said component; and
generating a point-in-time image of said component using said data management resource.

2. (Currently Amended) The method of claim 1, ~~wherein said discovering further comprises:~~
~~determining a speculative structure of said database;~~
~~identifying each of said plurality of components using said speculative structure; and~~
performing one or more operations to determine if said speculative structure of said database is equivalent to an actual structure of said database.

3. (Currently Amended) The method of claim 1~~2~~, wherein said selecting a component of said plurality of components comprises:
selecting said component of said plurality of components to include within a point-in-time image of said database.

4. **(Currently Amended)** The method of claim 12, wherein said selecting a component of said plurality of components comprises:
- selecting at least one of a database directory, a table space container, and a redo log directory.
5. **(Currently Amended)** The method of claim 13, wherein said selecting a data management resource of a plurality of data management resources comprises:
- selecting said data management resource using said attribute of said component and a user-defined policy.
6. **(Currently Amended)** The method of claim 13, wherein said selecting a data management resource of a plurality of data management resources comprises:
- selecting said data management resource using at least one of a size attribute, a type attribute, a structure attribute, and a location attribute.
7. **(Original)** The method of claim 6, wherein said selecting said data management resource of a plurality of data management resources further comprises:
- defining a component size range; and
 - selecting said data management resource in response to a determination that said size attribute is within said component size range.
8. **(Currently Amended)** The method of claim 13, wherein said selecting a data management resource of a plurality of data management resources comprises:
- selecting a point-in-time image creation process.
9. **(Original)** The method of claim 8, wherein said point-in-time image creation process comprises at least one of: a file-level point-in-time image creation process, a directory-level point-in-time image creation process, a file system-level point-in-time image creation process, a storage device-level point-in-time image creation process, a volume-level point-in-time image creation process, and a volume group-level point-in-time image creation process.
10. **(Original)** The method of claim 8, wherein said selecting a point-in-time image creation process comprises:

selecting at least one of: a snapshot creation process, a storage checkpoint creation process, and a file copy command, and a backup utility process.

11. (Original) The method of claim 2, further comprising:
restoring said database using said point-in-time image of said component.
12. (Original) The method of claim 11, wherein,
said database is initially stored within a first storage region, and
said restoring comprises,
restoring said database to a second storage region.
13. (Currently Amended) An apparatus comprising:
means for determining a speculative structure of a database discovering a plurality of components, wherein
~~a said~~ database comprises the plurality of components;~~and wherein the database is stored on a storage volume;~~
means for identifying each of said plurality of components using said speculative structure of said database;
means for associating a data management resource with a component of said plurality of components; ~~and~~
means for generating a point-in-time image of said component using said data management resource; and
storage means for storing said database.
14. (Currently Amended) The apparatus of claim 13, ~~wherein said means for discovering further comprises:~~
~~means for determining a speculative structure of said database;~~
~~means for identifying each of said plurality of components using said speculative structure; and~~
means for performing one or more operations to determine if said speculative structure of said database is equivalent to an actual structure of said database.

15. (Currently Amended) The apparatus of claim 13[[4]], wherein said means for associating comprises:

means for associating a point-in-time image creation process with said component of said plurality of components.

16. (Currently Amended) The apparatus of claim 13[[4]], wherein said means for associating comprises:

means for associating said data management resource with said component of said plurality of components using an attribute of said component.

17. (Original) The apparatus of claim 16, wherein said means for associating further comprises:

means for associating said data management resource with said component of said plurality of components using a user-defined policy.

18. (Original) The apparatus of claim 16, wherein said means for associating said data management resource with said component of said plurality of components using an attribute of said component comprises:

means for associating said data management resource with said component of said plurality of components using at least one of a size attribute, a type attribute, a structure attribute, and a location attribute.

19. (Original) The apparatus of claim 18, wherein said means for associating said data management resource with said component of said plurality of components using an attribute of said component further comprises:

means for defining a component size range; and

means for associating said data management resource with said component in response to a determination that said size attribute is within said component size range.

20. (Currently Amended) The apparatus of claim 13[[4]], wherein said means for generating comprises:

means for generating a point-in-time image of said database.

21. (Currently Amended) The apparatus of claim 13[4]], further comprising:
means for restoring said database using said point-in-time image of said component.
22. (Original) The apparatus of claim 21, wherein,
said database is initially stored within a first storage region, and
said means for restoring comprises,
means for restoring said database to a second storage region.
23. (Currently Amended) A program product comprising:
a machine-readable storage medium having a plurality of instructions executable
by a machine embodied therein, wherein said plurality of instructions
when executed cause said machine to:
determine a speculative structure of a database, discover a plurality of
components, wherein
a said database comprises the plurality of components, and **wherein the**
said database is stored on a storage volume;
identify each of said plurality of components using said speculative structure
of said database;
select a component of said plurality of components;
select a data management resource of a plurality of data management resources
using an attribute of said component; and
generate a point-in-time image of said component using said data management
resource.
24. (Currently Amended) The program product of claim 23, **further wherein**
discovering comprises:
determining a speculative structure of said database;
identifying each of said plurality of components using said speculative
structures; and
performing one or more operations to determine if said speculative structure of
said database is equivalent to an actual structure of said database.

25. **(Currently Amended)** The program product of claim 23[[4]], wherein selecting a component of said plurality of components comprises:

selecting said component of said plurality of components to include within a point-in-time image of said database.

26. **(Currently Amended)** The program product of claim 23[[4]], wherein selecting a data management resource of a plurality of data management resources comprises:

selecting said data management resource using said attribute of said component and a user-defined policy.

27. **(Currently Amended)** The program product of claim 23[[4]], wherein selecting a data management resource of a plurality of data management resources comprises:

selecting a point-in-time image creation process.

28. **(Currently Amended)** A system comprising:

a first computer-readable storage medium element to store a database; and
a point-in-time image utility configured to,

access said first storage element;

determining a speculative structure of said database, discover—a plurality of components, wherein

the said database comprises the plurality of components;

identify each of said plurality of components using said speculative structure of said database;

select a component of said plurality of components;

select a data management resource of a plurality of data management resources using an attribute of said component; and

generate a point-in-time image of said component using said data management resource.

29. **(Original)** The system of claim 28, wherein said point-in-time image utility comprises:

a memory to store said point-in-time image utility; and

a processor coupled to said memory to execute said point-in-time image utility.

30. (Original) The system of claim 28, further comprising a first node, wherein said first node comprises said first storage element and said point-in-time image utility.
31. (Original) The system of claim 30, further comprising a second node communicatively coupled to said first node, wherein said second node comprises a second storage element to store said point-in-time image of said component.
32. (Currently Amended) The system of Claim 28, wherein said point-in-time image utility configured to discover a plurality of components is further configured to:
determine a speculative structure of said database;
identify each of said plurality of components using said speculative structure;
and
perform one or more operations to verify if said speculative structure of said database is equivalent to an actual structure of said database.
33. (New) The method of Claim 1, wherein said determining further comprises:
selecting one of a plurality of predefined database structures.
34. (New) The apparatus of Claim 13, wherein said means for determining further comprises:
means for selecting one of a plurality of predefined database structures.
35. (New) The program product of Claim 23, wherein said plurality of instructions when executed further cause said machine to:
select one of a plurality of predefined database structures.
36. (New) The system of Claim 28, wherein said point-in-time image utility is further configured to:
select one of a plurality of pre-determined database structures.